

Dilations

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Find the coordinates of the vertices of each figure after the given transformation.

1) dilation of 4.5

 $I(-1, 0)$, $M(-1, 1)$, $B(1, 0)$

2) dilation of 0.25

 $X(2, -1)$, $G(4, 4)$, $W(4, -1)$

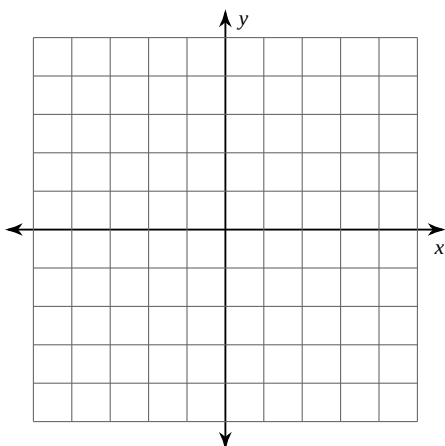
3) dilation of 1.5

 $Q(-1, 0)$, $S(-1, 1)$, $Z(2, 0)$

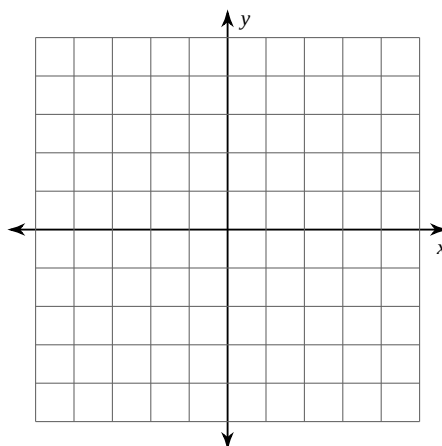
4) dilation of 0.25

 $J(0, 4)$, $V(1, 5)$, $G(3, 3)$, $E(-1, 0)$ 5) dilation of $\frac{3}{2}$ $P(-2, 2)$, $L(-2, 3)$, $I(2, 0)$, $Z(1, -2)$ **Graph the image of the figure using the transformation given.**

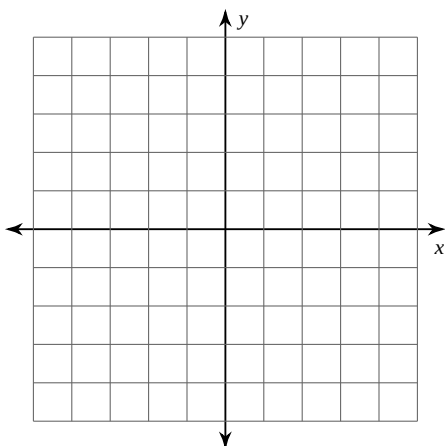
6) dilation of 1.5

 $J(-1, -1)$, $U(1, 3)$, $W(0, -2)$ 

7) dilation of 1.5

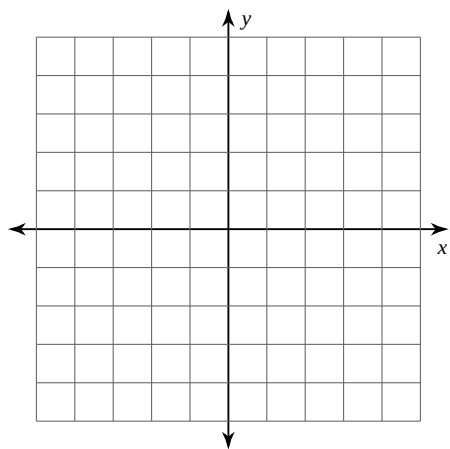
 $S(-1, 0)$, $V(0, 1)$, $E(3, -3)$ 

8) dilation of 1.5

 $U(0, -2)$, $K(-1, 3)$, $E(1, 2)$, $H(2, -2)$ 

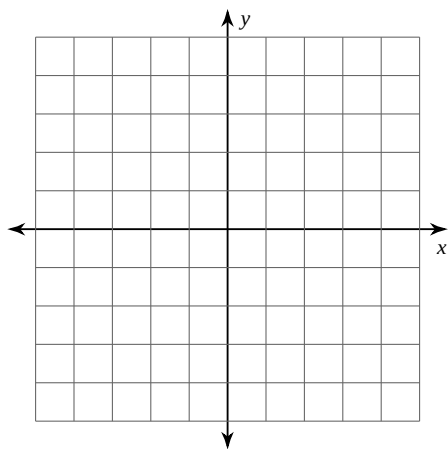
9) dilation of $\frac{1}{2}$

$S(0, 3), T(1, 5), L(5, 2), F(5, 1)$

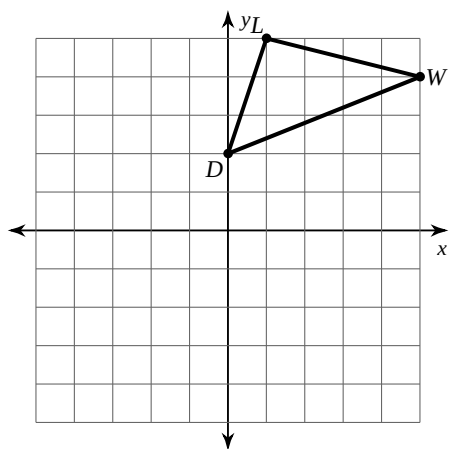


10) dilation of $\frac{3}{2}$

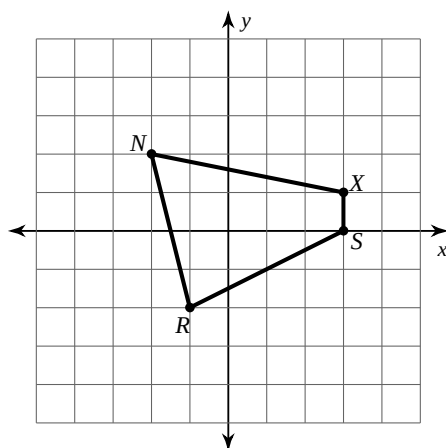
$J(-1, -2), C(-3, 3), Z(1, 3), L(3, 1)$



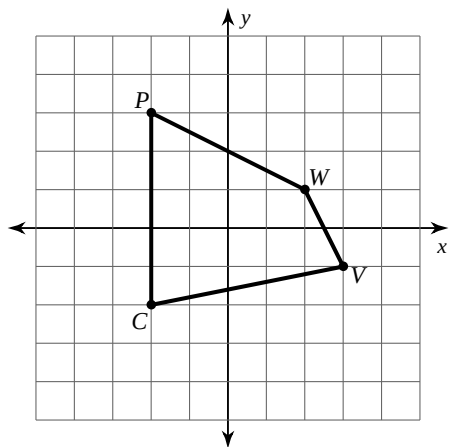
11) dilation of $\frac{1}{2}$



12) dilation of 1.5



13) dilation of 1.5



14) dilation of 1.5

